

Data File : VU030115.D
Acq On : 15 Mar 2019 16:58
Operator : JC/SP
Sample : K1917-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09B3

Quant Time: Mar 16 00:55:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:52:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	526030	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	502873	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	241056	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	129681	37.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.54%
7) Chloroethane-d5	1.68	69	112674	40.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.24%
11) 1,1-Dichloroethene-d2	2.27	63	186602	29.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.42%#
21) 2-Butanone-d5	4.18	46	246754	94.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.65%
24) Chloroform-d	4.65	84	279900	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.70%
26) 1,2-Dichloroethane-d4	5.31	65	167533	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.92%
32) Benzene-d6	5.34	84	582499	45.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.33	67	185840	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.82%
41) Toluene-d8	7.56	98	524930	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%
43) trans-1,3-Dichloropropene-	7.85	79	76439	39.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.66%
47) 2-Hexanone-d5	8.31	63	201096	90.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285601	46.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	225271	48.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%

Target Compounds

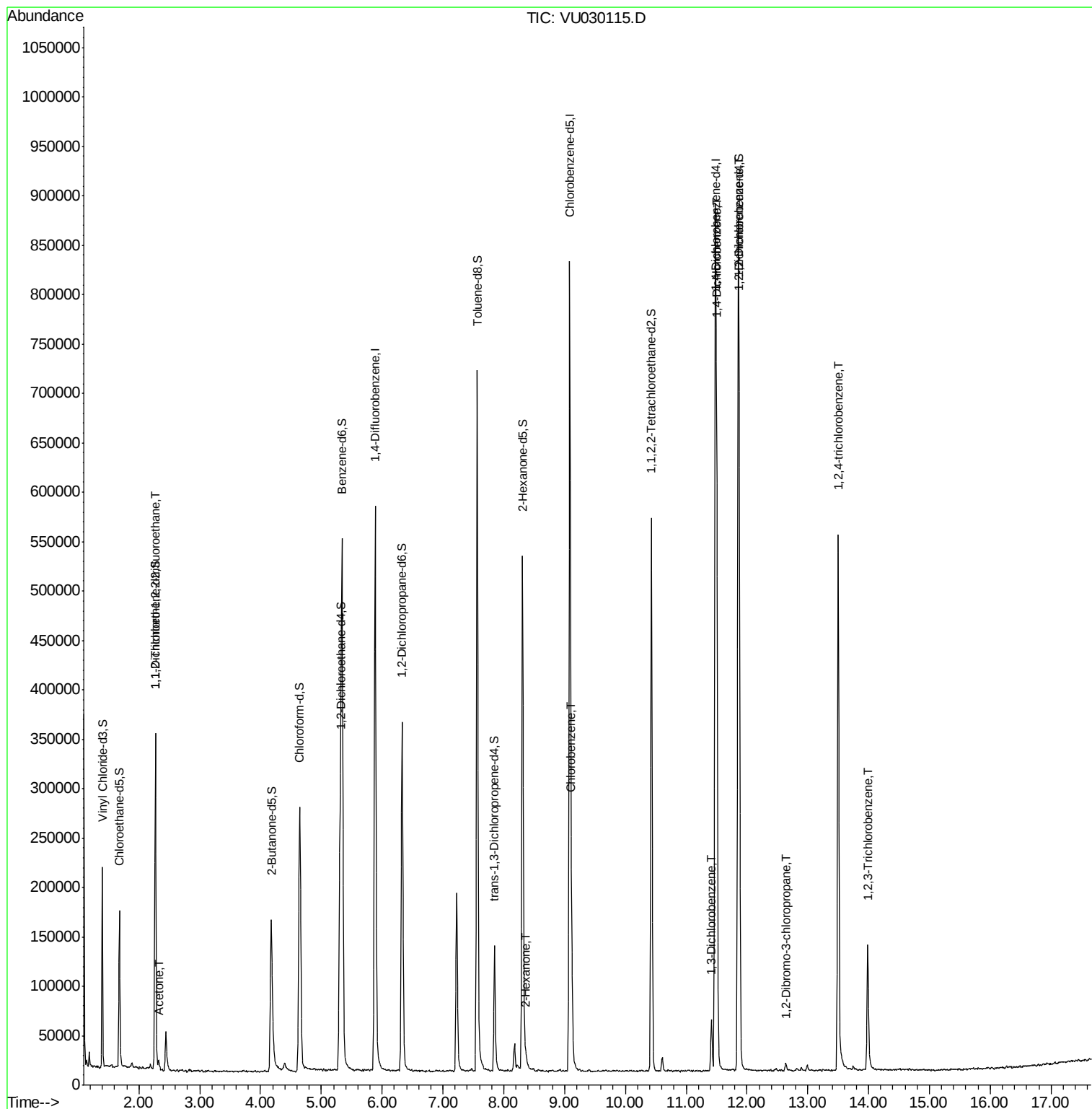
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2031	0.588 ug/L #	18
13) Acetone	2.32	43	7830	2.569 ug/L	99
48) 2-Hexanone	8.37	43	5010	1.149 ug/L #	87
51) Chlorobenzene	9.12	112	78060	7.401 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	23701	3.045 ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	256467	32.399 ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	178555	22.787 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	1880	1.476 ug/L #	1
68) 1,2,4-trichlorobenzene	13.50	180	196529	35.558 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	49903	8.691 ug/L	98

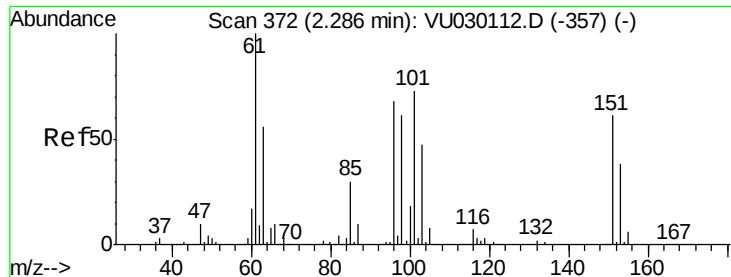
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.588 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030115.D

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MSVOA_U

ClientSampleId :

C09B3

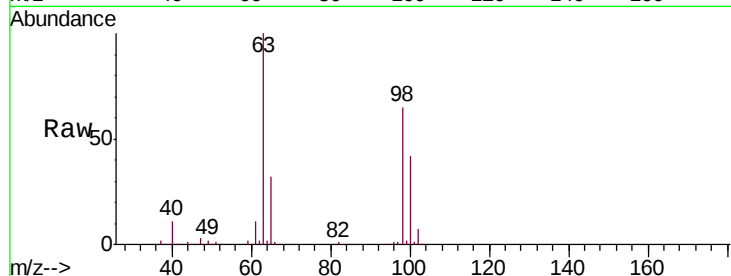
Tgt Ion: 101 Resp: 2031

Ion Ratio Lower Upper

101 100

85 2.2 33.0 49.4#

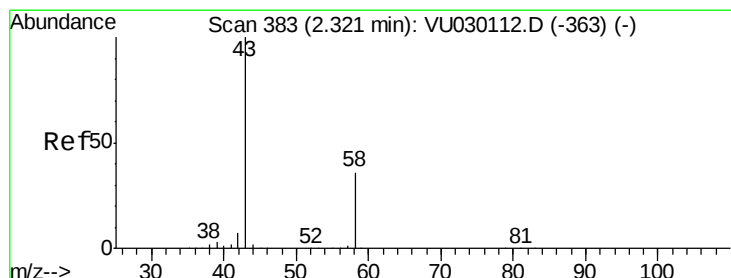
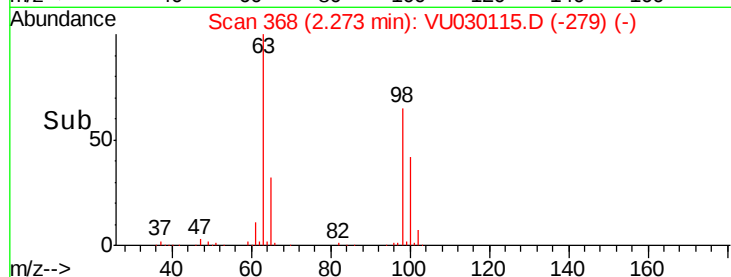
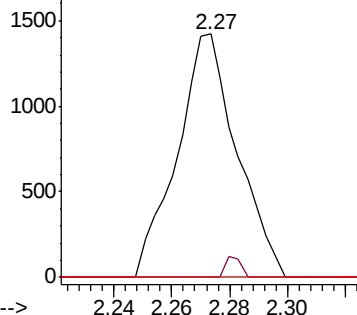
151 0.0 66.1 99.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.569 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030115.D

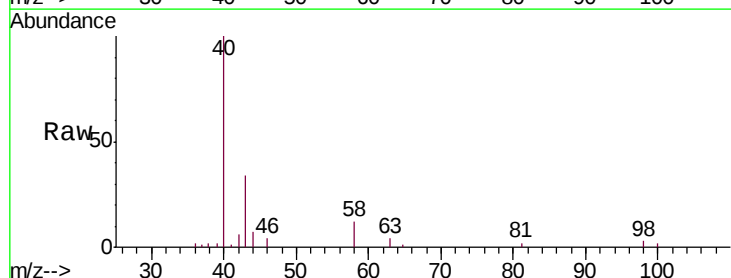
Acq: 15 Mar 2019 16:58

Tgt Ion: 43 Resp: 7830

Ion Ratio Lower Upper

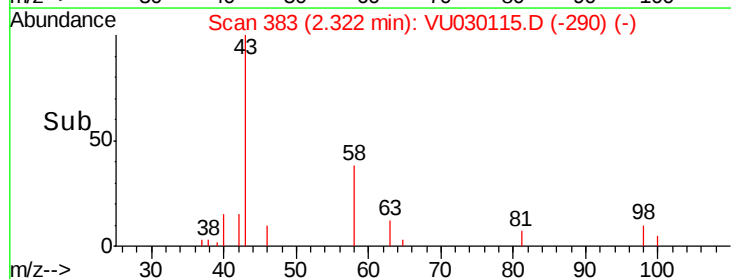
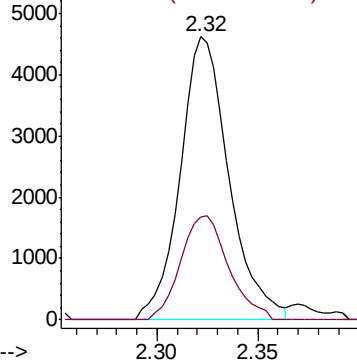
43 100

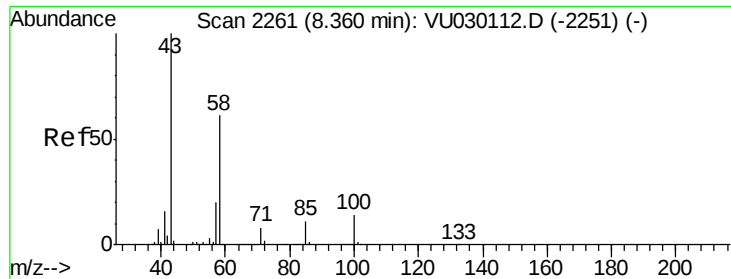
58 36.1 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

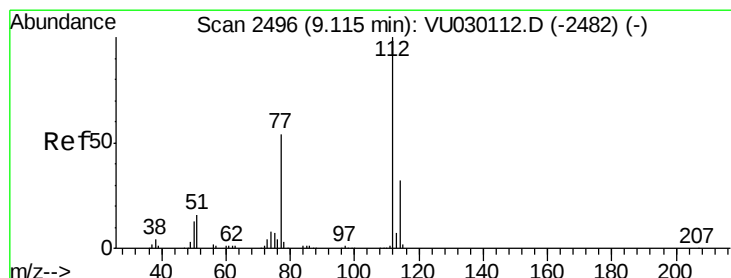
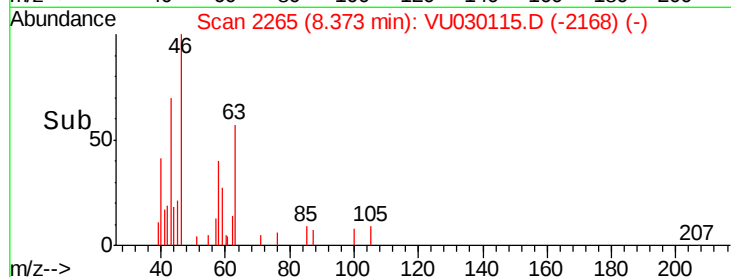
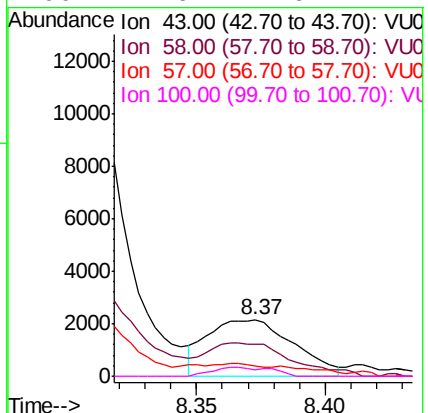
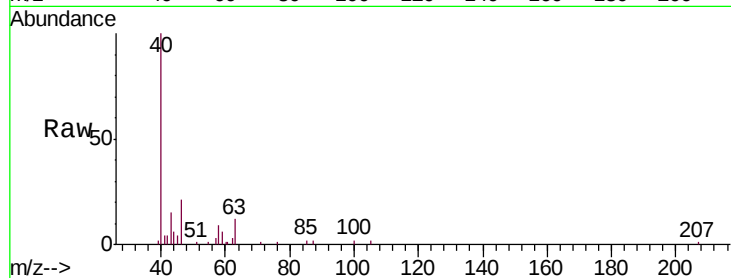




#48
2-Hexanone
Concen: 1.149 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU030115.D
Acq: 15 Mar 2019 16:58

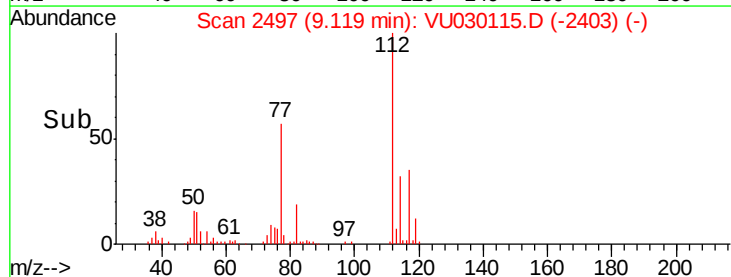
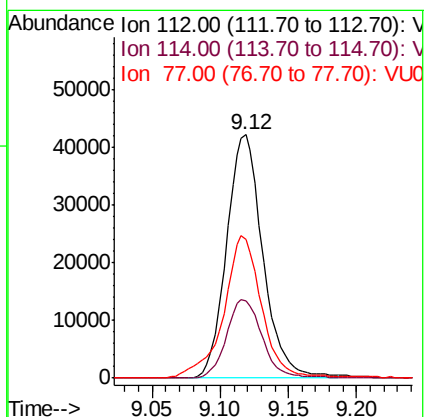
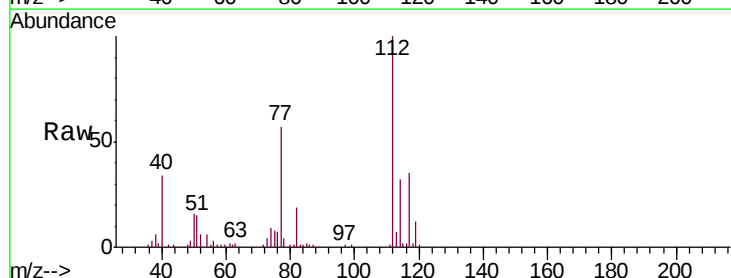
Instrument :
MSVOA_U
ClientSampleId :
C09B3

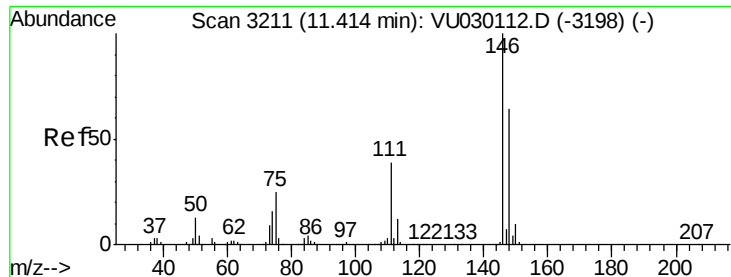
Tgt Ion:	43	Resp:	5010
Ion	Ratio	Lower	Upper
43	100		
58	58.7	48.6	72.8
57	1.1	16.1	24.1#
100	7.6	11.6	17.4#



#51
Chlorobenzene
Concen: 7.401 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030115.D
Acq: 15 Mar 2019 16:58

Tgt Ion:	112	Resp:	78060
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.5	41.9
77	57.0	44.6	66.8





#62

1,3-Dichlorobenzene

Concen: 3.045 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030115.D

Acq: 15 Mar 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

C09B3

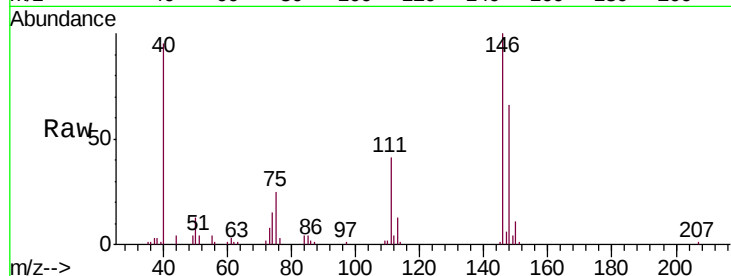
Tgt Ion:146 Resp: 23701

Ion Ratio Lower Upper

146 100

111 40.6 26.7 49.5

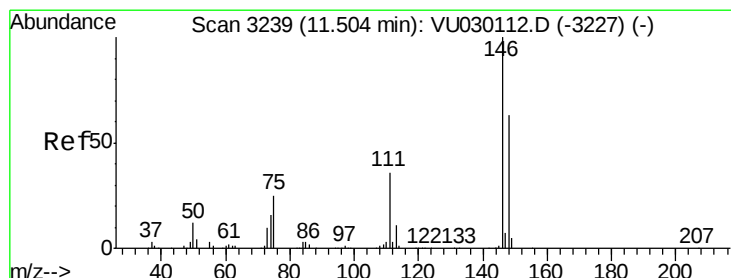
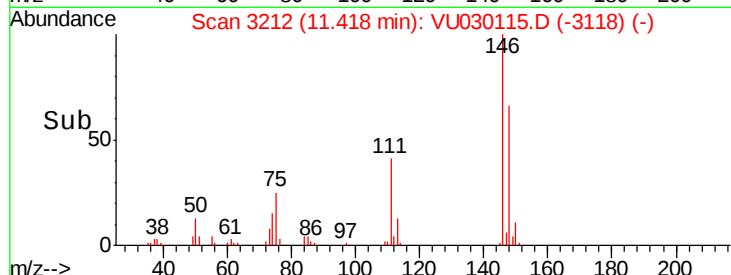
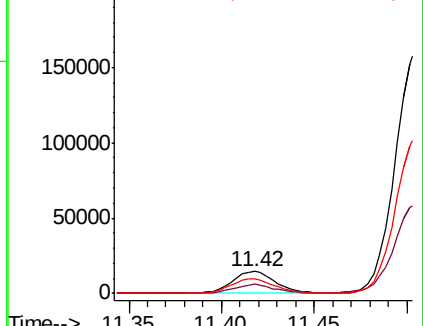
148 66.2 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 32.399 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030115.D

Acq: 15 Mar 2019 16:58

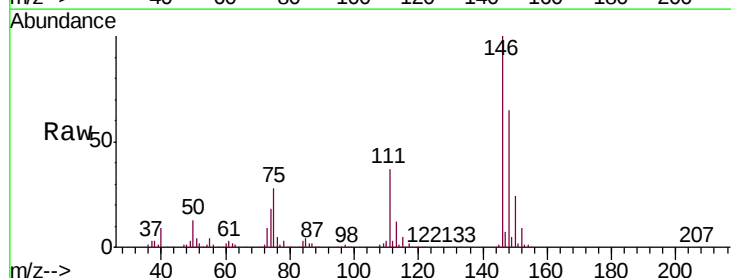
Tgt Ion:146 Resp: 256467

Ion Ratio Lower Upper

146 100

111 36.5 25.5 47.3

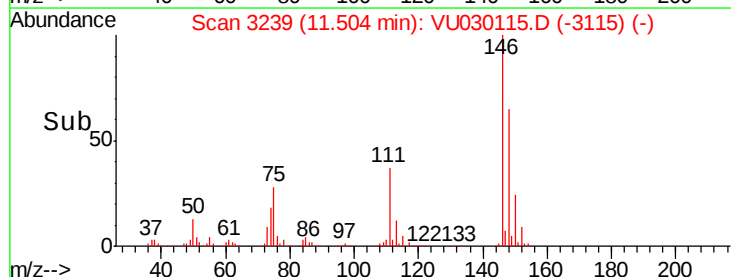
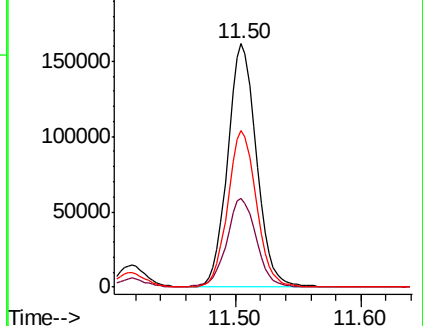
148 64.5 45.0 83.6

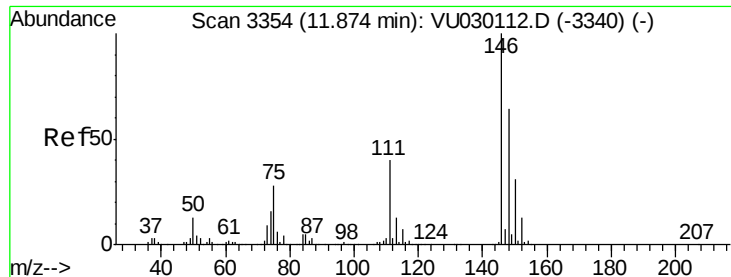


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 22.787 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030115.D

Acq: 15 Mar 2019 16:58

Instrument :

MSVOA_U

ClientSampled :

C09B3

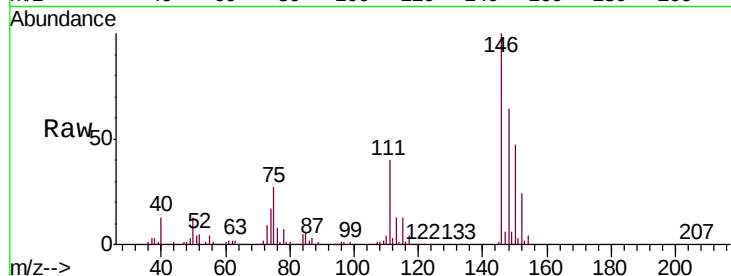
Tgt Ion:146 Resp: 178555

Ion Ratio Lower Upper

146 100

111 39.9 30.9 46.3

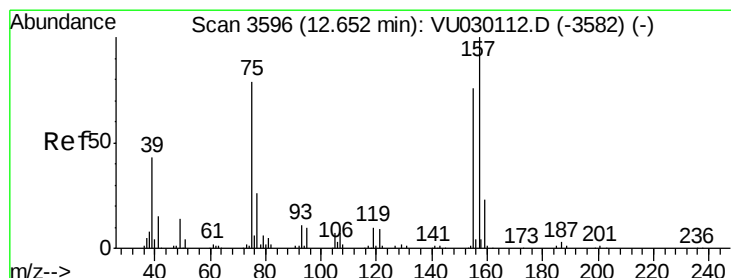
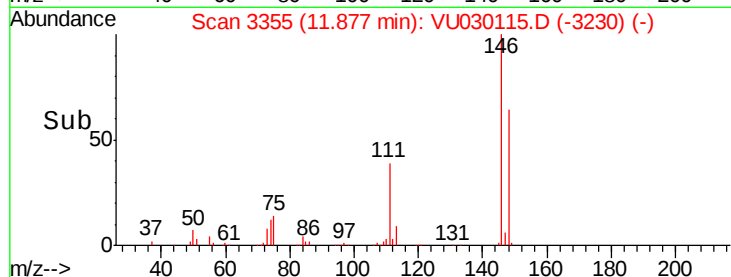
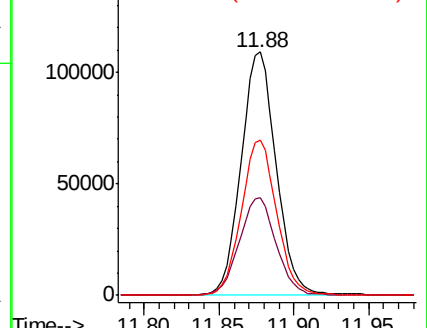
148 64.0 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.476 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. -0.01 min

Lab File: VU030115.D

Acq: 15 Mar 2019 16:58

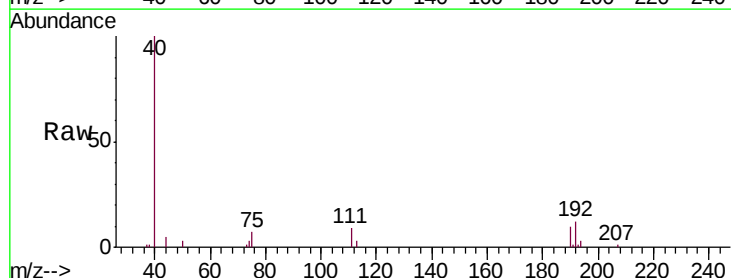
Tgt Ion: 75 Resp: 1880

Ion Ratio Lower Upper

75 100

155 0.0 80.9 121.3#

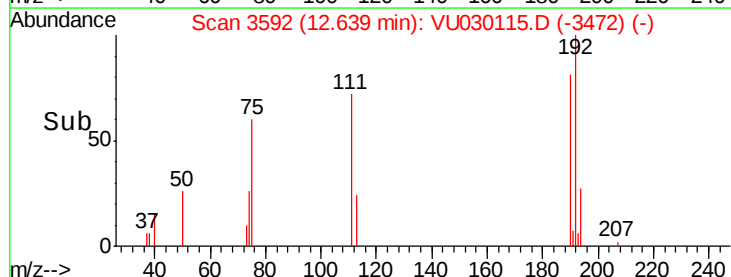
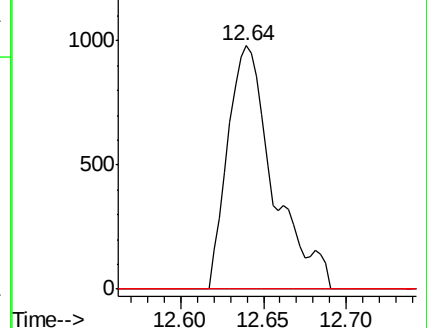
157 0.0 104.6 156.8#

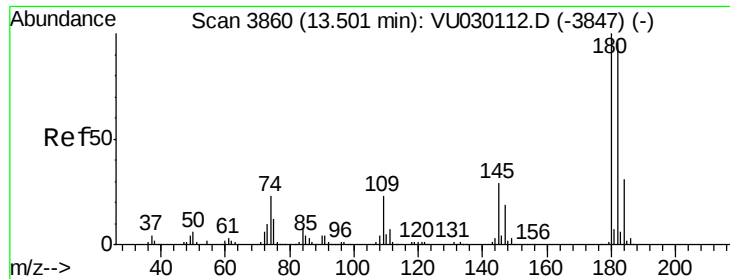


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

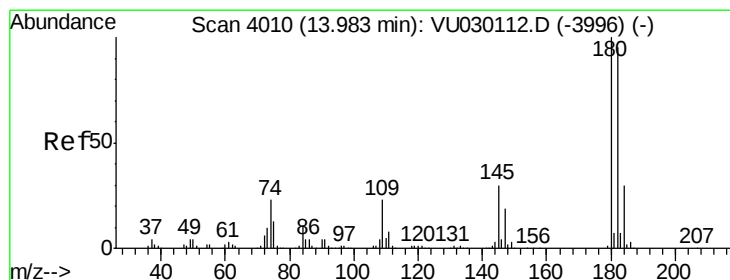
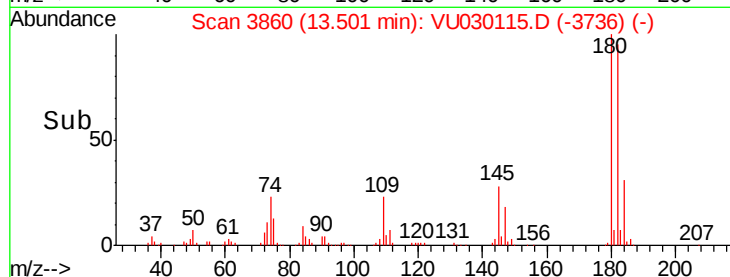
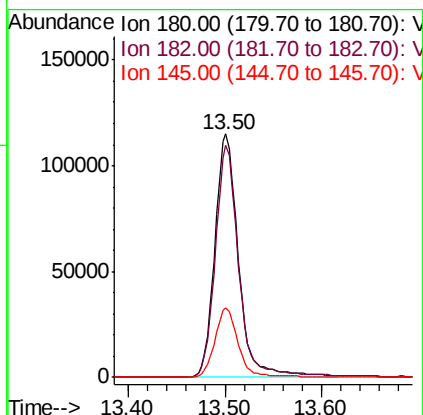
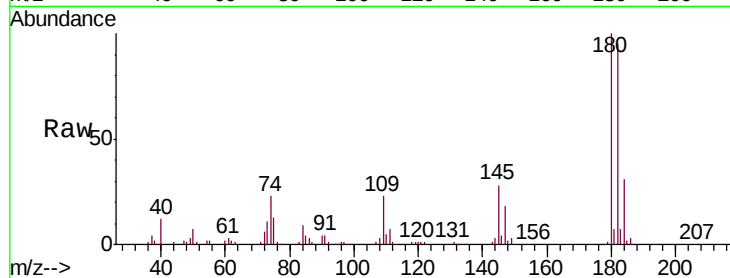




#68
 1,2,4-trichlorobenzene
 Concen: 35.558 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030115.D
 Acq: 15 Mar 2019 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 C09B3

Tgt Ion:180 Resp: 196529
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.1 114.1
 145 27.6 23.0 34.4



#70
 1,2,3-Trichlorobenzene
 Concen: 8.691 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030115.D
 Acq: 15 Mar 2019 16:58

Tgt Ion:180 Resp: 49903
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.9 113.9
 145 28.3 24.0 36.0

